

Title (en)
Diaphragm spring clutch cover assembly.

Title (de)
Tellerfederkupplungsgehäuse.

Title (fr)
Couvercle d'embrayage à ressort à diaphragme.

Publication
EP 0211480 A1 19870225 (EN)

Application
EP 86304205 A 19860603

Priority
• GB 8517470 A 19850710
• GB 8604874 A 19860227

Abstract (en)
A diaphragm spring clutch cover assembly 2 comprising a cover 4, a pressure plate 8 and a diaphragm spring 6 acting between fulcrum rings 20, 22 on the cover and a fulcrum arrangement 40 on the pressure plate. Fulcrum arrangement 40 comprises a resilient ring 56 supported at spaced intervals therearound by spaced lands 52 on the pressure plate. The portions of the fulcrum ring 56 spanning the gaps between the lands 52 have U-shaped saddles 60 thereon. These saddles are pressed by the diaphragm spring 6 during a clutch engagement movement of the spring and since the saddles sit proud of the fulcrum ring 56, the portions of the ring carrying saddles are deformed axially of the clutch into the spaces between the lands to cushion the re-engagement of the clutch provided with the assembly 2.

IPC 1-7
F16D 13/71

IPC 8 full level
F16D 13/58 (2006.01)

CPC (source: EP US)
F16D 13/585 (2013.01 - EP US); **F16D 2013/706** (2013.01 - EP US)

Citation (search report)
• [E] EP 0191578 A1 19860820 - AUTOMOTIVE PROD PLC [GB]
• [A] FR 1392569 A 19650319 - FERODO SA
• [A] FR 2398227 A1 19790216 - AUTOMOTIVE PROD CO LTD [GB]
• [A] GB 1050553 A
• [A] FR 2546592 A1 19841130 - VALEO [FR]

Cited by
EP0235882A3; US4770282A; WO2016026492A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
GB 2177466 A 19870121; GB 2177466 B 19880914; GB 8613578 D0 19860709; EP 0211480 A1 19870225; US 4678071 A 19870707

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GB 8613578 A 19860604; EP 86304205 A 19860603; US 87735486 A 19860623